

12/10/04

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PASSWORD:

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NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
STN Express with Discover!
NEWS 4 OCT 28 KOREAPAT now available on STN
NEWS 5 NOV 18 Current-awareness alerts, saved answer sets, and current
search transcripts to be affected by CERAB, COMPUAB, ELCOM,
and SOLIDSTATE reloads
NEWS 6 NOV 30 PHAR reloaded with additional data
NEWS 7 DEC 01 LISA now available on STN
NEWS 8 DEC 09 12 databases to be removed from STN on December 31, 2004

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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FILE 'HOME' ENTERED AT 18:12:01 ON 10 DEC 2004

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 18:12:15 ON 10 DEC 2004

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 DEC 2004 HIGHEST RN 796026-09-0
DICTIONARY FILE UPDATES: 9 DEC 2004 HIGHEST RN 796026-09-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s anthraquinoyl/cn
L1 0 ANTHRAQUINOYL/CN

=> s anthraquinonyl/cn
L2 0 ANTHRAQUINONYL/CN

=> s anthraquinone/cn
L3 1 ANTHRAQUINONE/CN

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN 84-65-1 REGISTRY
CN 9,10-Anthracenedione (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Anthraquinone (8CI)
OTHER NAMES:
CN 9,10-Anthraquinone
CN Anthracene-9,10-quinone
CN Anthradione
CN DAQ-N
CN Flight Control
CN Hoelite
CN Morkit
CN NSC 7957
FS 3D CONCORD
MF C14 H8 O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST File for up-to-date regulatory information)
DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent; Report

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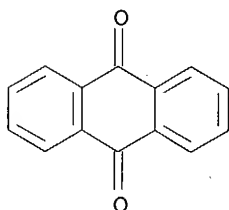
12/10/04

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9158 REFERENCES IN FILE CA (1907 TO DATE)
1404 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
9163 REFERENCES IN FILE CAPLUS (1907 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s naphthaquinone

L4 16 NAPHTHAQUINONE

=> d 1-16

L4 ANSWER 1 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN

RN 486447-40-9 REGISTRY

CN 2-Propenoic acid, polymer with [[2-(ethenyloxy)ethyl]amino]-1,2-naphthalenedione (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Acrylic acid-1,2-naphthaquinone vinyl ether monoethanol amine copolymer

MF (C14 H13 N O3 . C3 H4 O2)x

CI PMS

PCT Polyacrylic, Polyother

SR CA

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Journal

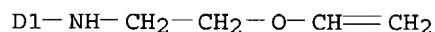
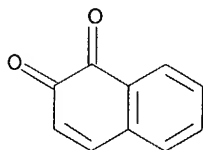
RL.NP Roles from non-patents: PRP (Properties)

CM 1

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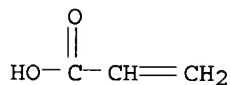
12/10/04

CRN 486447-39-6
CMF C14 H13 N O3
CCI IDS



CM 2

CRN 79-10-7
CMF C3 H4 O2



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

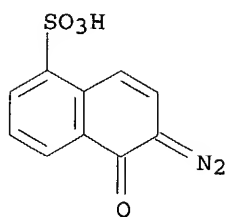
L4 ANSWER 2 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 84135-66-0 REGISTRY
CN Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol,
6-diazo-5,6-dihydro-5-oxo-1-naphthalenesulfonate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, 4-(1,1,3,3-tetramethylbutyl)-, polymer with formaldehyde,
6-diazo-5,6-dihydro-5-oxo-1-naphthalenesulfonate (9CI)
OTHER NAMES:
CN Formaldehyde-p-tert-octylphenol copolymer 1,2-naphthoquinone-2-diazide-5-
sulfonate
CN **p-tert-Octylphenol-formaldehyde copolymer 1,2-naphthaquinonediazide-5-
sulfonate**
CN p-tert-Octylphenol-formaldehyde copolymer-1,2-naphthoquinone
diazide-5-sulfonate
DR 105953-93-3, 106055-84-9
MF (C14 H22 O . C H2 O)x . x C10 H6 N2 O4 S
PCT Phenolic resin
LC STN Files: CA, CAPLUS, CHEMLIST, TOXCENTER, USPATFULL
DT.CA CAPLUS document type: Patent
RL.P Roles from patents: PROC (Process); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: USES (Uses)

CM 1

CRN 20546-03-6
CMF C10 H6 N2 O4 S

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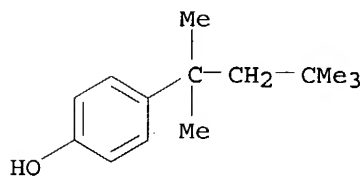


CM 2

CRN 26678-93-3
CMF (C14 H22 O . C H2 O)x
CCI PMS

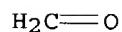
CM 3

CRN 140-66-9
CMF C14 H22 O



CM 4

CRN 50-00-0
CMF C H2 O



62 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
62 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 3 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 83027-27-4 REGISTRY
CN 1,4-Naphthalenedione, 2-chloro-3-[[2-(dimethylamino)ethyl]amino] - (9CI)
(CA INDEX NAME)

OTHER NAMES:

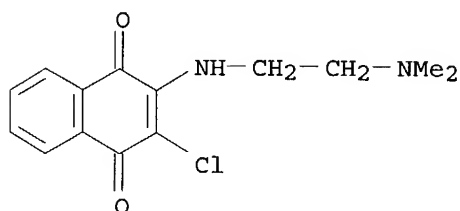
CN 2-Chloro-3-((2-(dimethylamino)ethyl)amino)-1,4-naphthaquinone
CN NSC 222715
FS 3D CONCORD
MF C14 H15 Cl N2 O2
CI COM

LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMCATS
(*File contains numerically searchable property data)
DT.CA Caplus document type: Journal

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RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
RACT (Reactant or reagent)



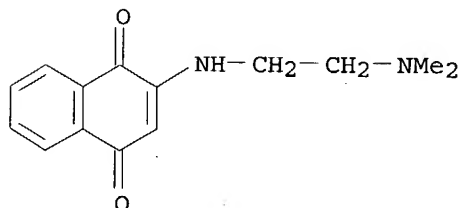
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 4 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 69895-74-5 REGISTRY
CN 1,4-Naphthalenedione, 2-[[2-(dimethylamino)ethyl]amino]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2-((2-(Dimethylamino)ethyl)amino)-1,4-naphthaquinone
CN NSC 221268
CN NSC 300577
FS 3D CONCORD
MF C14 H16 N2 O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER
(*File contains numerically searchable property data)
DT:CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 5 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 69895-73-4 REGISTRY
CN 1,4-Naphthalenedione, 2-[[2-[(2-hydroxyethyl)amino]ethyl]amino]- (9CI)
(CA INDEX NAME)

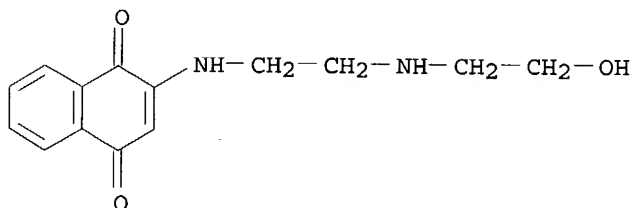
OTHER NAMES:

CN 2-((2-((2-Hydroxyethyl)amino)ethyl)amino)-1,4-naphthaquinone

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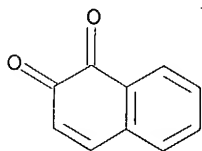
CN NSC 299189
FS 3D CONCORD
MF C14 H16 N2 O3
LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER
(*File contains numerically searchable property data)
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
RACT (Reactant or reagent); USES (Uses)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 6 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 43086-21-1 REGISTRY
CN 1,2-Naphthalenedione, radical ion(1-) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **1,2-Naphthaquinone radical anion(1-)**
CN 1,2-Naphthoquinone radical ion(1-)
MF C10 H6 O2
CI COM, RIS
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA Caplus document type: Dissertation; Journal
RL.NP Roles from non-patents: BIOL (Biological study); FORM (Formation,
nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties);
RACT (Reactant or reagent)
RLD.NP Roles for non-specific derivatives from non-patents: FORM (Formation,
nonpreparative); PRP (Properties)



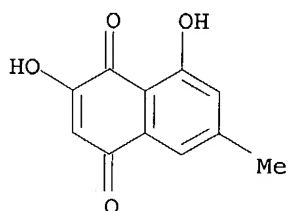
14 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
14 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 7 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 39058-21-4 REGISTRY
CN 1,4-Naphthalenedione, 2,8-dihydroxy-6-methyl- (9CI) (CA INDEX NAME)
OTHER NAMES:

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CN **3,5-Dihydroxy-7-methyl-1,4-naphthaquinone**
CN 3-Hydroxy-7-methyljuglone
FS 3D CONCORD
MF C11 H8 O4
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)
DT.CA CAPLUS document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)



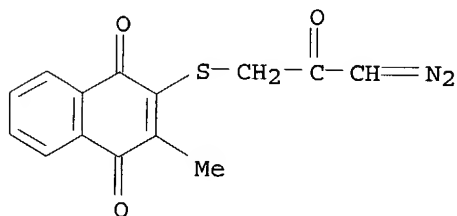
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3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 8 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 38802-70-9 REGISTRY
CN 1,4-Naphthalenedione, 2-[(3-diazo-2-oxopropyl)thio]-3-methyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **1-Methyl-2,4-naphthaquinone-3-thioglycolyldiazoketone**
FS 3D CONCORD
MF C14 H10 N2 O3 S
LC STN Files: CA, CAPLUS
DT.CA CAPLUS document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 9 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 37019-53-7 REGISTRY
CN Acetic acid, [(1,4-dihydro-3-methyl-1,4-dioxo-2-naphthalenyl)thio]-, sodium salt (9CI) (CA INDEX NAME)

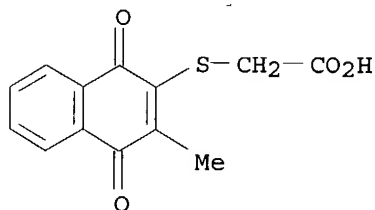
OTHER NAMES:

CN **2-Methyl-1:4-naphthaquinone-3-thioglycollate sodium salt**
MF C13 H10 O4 S . Na

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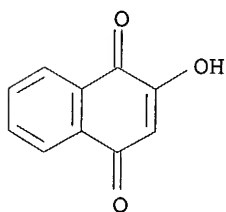
LC. STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)
CRN (6325-58-2)



● Na

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 10 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 34524-82-8 REGISTRY
CN 1,4-Naphthalenedione, 2-hydroxy-, radical ion(1-) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1,2,4(3H)-Naphthalenetetrone, radical ion(1-)
CN **2-Hydroxy-1,4-naphthaquinone radical anion(1-)**
DR 40490-75-3
MF C10 H6 O3
CI RIS
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: FORM (Formation, nonpreparative); PROC (Process); PRP (Properties); RACT (Reactant or reagent)

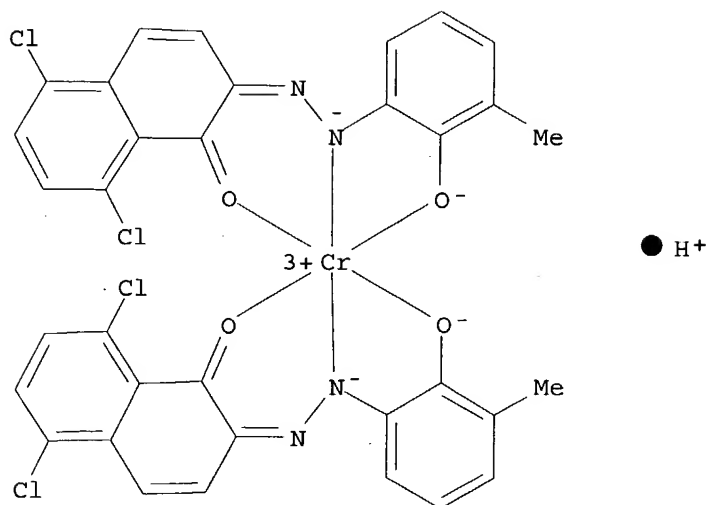


3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

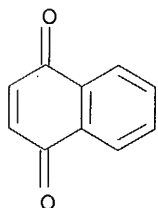
L4 ANSWER 11 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 20436-40-2 REGISTRY
CN **Chromate(1-), bis[5,8-dichloro-1,2-naphthaquinone 2-[(2-hydroxy-m-tolyl)hydrazonato](2-)]-, hydrogen (8CI)** (CA INDEX NAME)
MF C34 H20 Cl4 Cr N4 O4 . H
CI CCS
CRN (796006-82-1)

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L4 ANSWER 12 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 20261-01-2 REGISTRY
CN 1,4-Naphthalenedione, radical ion(1-) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,4-Naphthoquinone, radical ion(1-) (8CI)
OTHER NAMES:
CN **1,4-Naphthaquinone radical anion(1-)**
CN **1,4-Naphthaquinone radical ion(1-)**
CN 1,4-Naphthoquinone anion radical
CN 1,4-Naphthoquinone radical anion
CN 1,4-Naphthosemiquinone
CN 1,4-Naphthosemiquinone(1-)
DR 42439-32-7
MF C10 H6 O2
CI COM, RIS
LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, CA, CAPLUS, TOXCENTER
(*File contains numerically searchable property data)
DT.CA Caplus document type: Conference; Journal
RL.NP Roles from non-patents: BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent)

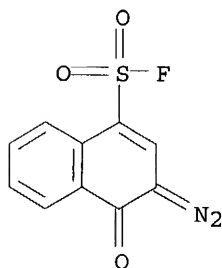


100 REFERENCES IN FILE CA (1907 TO DATE)
100 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L4 ANSWER 13 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 17755-40-7 REGISTRY
CN 1-Naphthalenesulfonyl fluoride, 3-diazo-3,4-dihydro-4-oxo- (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN **1,2-Naphthaquinone-2-diazide-4-sulfonyl fluoride**
CN Naphthoquinone-1,2-diazide(2)-4-sulfonyl fluoride
FS 3D CONCORD
DR 21906-80-9
MF C10 H5 F N2 O3 S
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: USES (Uses)



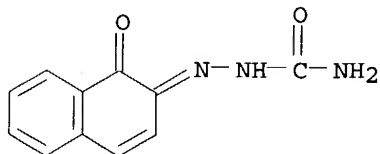
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 14 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 15687-37-3 REGISTRY
CN Hydrazinecarboxamide, 2-(1-oxo-2(1H)-naphthalenyldene)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2-Naphthoquinone, 2-semicarbazone (8CI)
OTHER NAMES:
CN **1,2-Naphthaquinone 2-semicarbazone**
CN Etioven
CN Haemostop
CN Haemostop Injection
CN Karbinon
CN Karbinone
CN Mediaven
CN Naftazon
CN Naftazone
FS 3D CONCORD
MF C11 H9 N3 O2
CI COM
LC STN Files: ADISNEWS, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, DDFU, DRUGU, EMBASE, IMSCOSEARCH, IPA, MEDLINE, TOXCENTER, USAN, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological

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study); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: PRP (Properties)



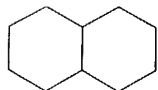
****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

38 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
38 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 15 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 12679-43-5 REGISTRY
CN Naphthalenedione (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **Naphthaquinone**
MF C10 H6 O2
CI IDS
LC STN Files: AGRICOLA, AQUIRE, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT,
CHEMLIST, CIN, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2,
IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL
DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: PREP (Preparation); PROC (Process); RACT (Reactant
or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
study); BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP
(Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
study); BIOL (Biological study); OCCU (Occurrence); PROC (Process); PRP
(Properties); USES (Uses)

CM 1

CRN 52341-41-0
CMF C10 H14 O2
CCI IDS



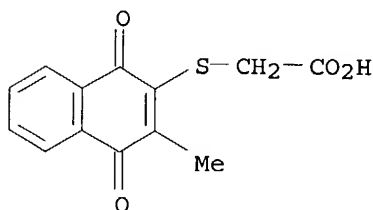
2 (D2=O)

10678251

12/10/04

79 REFERENCES IN FILE CA (1907 TO DATE)
24 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
79 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 16 OF 16 REGISTRY COPYRIGHT 2004 ACS on STN
RN 6325-58-2 REGISTRY
CN Acetic acid, [(1,4-dihydro-3-methyl-1,4-dioxo-2-naphthalenyl)thio]- (9CI)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetic acid, [(1,4-dihydro-3-methyl-1,4-dioxo-2-naphthyl)thio]- (6CI, 8CI)
OTHER NAMES:
CN **1-Methyl-2:4-naphthaquinone-3-thioglycolic acid**
CN NSC 30982
FS 3D CONCORD
MF C13 H10 O4 S
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
(Uses)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
NORL (No role in record)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

13 REFERENCES IN FILE CA (1907 TO DATE)
13 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s bezanthrone/cn
L5 0 BEZANTHRONE/CN

=> s bezanthrone
0 BEZANTHRONE
L6 0 BEZANTHRONE

=> s benzanthrone
L7 124 BENZANTHRONE

=> s benzanthrone/cn
L8 1 BENZANTHRONE/CN

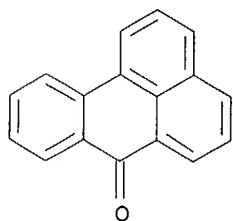
=> d

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

10678251

12/10/04

RN 82-05-3 REGISTRY
CN 7H-Benz[de]anthracen-7-one (6CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1,9-Benz-10-anthrone
CN 7-Oxobenz[de]anthracene
CN Benzanthrenone
CN **Benzanthrone**
CN Benzoanthrone
CN Naphthanthrone
CN NSC 5189
CN NSC 631641
FS 3D CONCORD
DR 57608-35-2, 116495-96-6, 358773-23-6
MF C17 H10 O
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(*Enter CHEMLIST File for up-to-date regulatory information)
DT.CA Caplus document type: Book; Conference; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1191 REFERENCES IN FILE CA (1907 TO DATE)
35 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1191 REFERENCES IN FILE CAPLUS (1907 TO DATE)
50 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file registry
COST IN U.S. DOLLARS

SINCE FILE TOTAL

10678251

12/10/04

	ENTRY	SESSION
FULL ESTIMATED COST	72.34	72.55

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STRUCTURE FILE UPDATES: 9 DEC 2004 HIGHEST RN 796026-09-0
DICTIONARY FILE UPDATES: 9 DEC 2004 HIGHEST RN 796026-09-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Stnexp4 corrupted\QUERIES\10678251.str

L9 STRUCTURE UPLOADED

=> d 19

L9 HAS NO ANSWERS

L9 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 19

SAMPLE SEARCH INITIATED 18:19:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED	7 ITERATIONS	0 ANSWERS
SEARCH TIME: 00.00.01		

FULL FILE PROJECTIONS:	ONLINE	**COMPLETE**
	BATCH	**COMPLETE**
PROJECTED ITERATIONS:	7 TO	298
PROJECTED ANSWERS:	0 TO	0

L10 0 SEA SSS SAM L9

=> s 19 ful

FULL SEARCH INITIATED 18:19:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 134 TO ITERATE

100.0% PROCESSED	134 ITERATIONS	3 ANSWERS
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10678251

12/10/04

SEARCH TIME: 00.00.01

L11 3 SEA SSS FUL L9

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
155.42	227.97

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 18:19:51 ON 10 DEC 2004

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FILE COVERS 1907 - 10 Dec 2004 VOL 141 ISS 25

FILE LAST UPDATED: 9 Dec 2004 (20041209/ED)

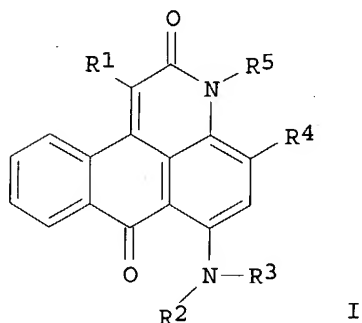
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l11

L12 4 L11

=> d abs bib hitstr 1-4

L12 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
GI



AB Anthrapyridone compds. I [R1-3 = H, (un)substituted alkyl, (un)substituted

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aryl; R4 = H, halo, (un)substituted alkyl; R5 = H, (un)substituted alkyl], with good solubility in organic solvents, useful for ink-jet recording inks, are

prepared Thus, 1-amino-4-bromo-2-methylantraquinone was treated with butanoic acid in pyridine/PhMe in the presence of TiCl₄ at 110° for 2 h and precipitated by MeOH/H₂O to give 94% intermediate, which was further treated with octadecylamine in pyridine in the presence of CuCl to give 98% I (R1 = Et; R2, R5 = H; R3 = octadecyl; R4 = Me; II). PhMe 47, Me iso-Bu ketone 50, and II 3 g were blended and filtered to give an ink showing good storage stability and water resistance of images printed by an ink-jet printer.

AN 2004:876516 CAPLUS
DN 141:367370
TI Anthrapyridone compounds and inks using them
IN Kogo, Osamu; Sugimoto, Kenichi; Oi, Toru
PA Mitsui Chemicals Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 18 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

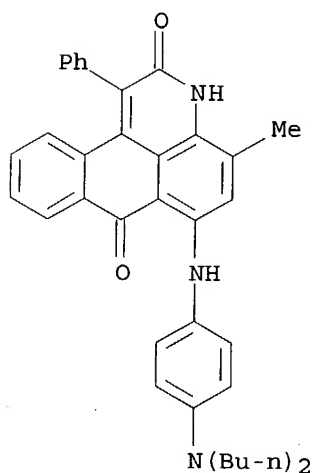
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004292572	A2	20041021	JP 2003-85390	20030326
PRAI	JP 2003-85390		20030326		
IT	775352-30-2				

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(anthrapyridone compds. with good solubility in organic solvents for ink-jet inks)

RN 775352-30-2 CAPLUS

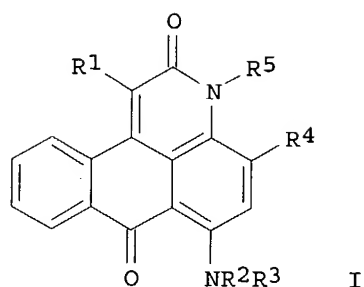
CN 3H-Naphtho[1,2,3-de]quinoline-2,7-dione, 6-[[4-(dibutylamino)phenyl]amino]-4-methyl-1-phenyl- (9CI) (CA INDEX NAME)



L12 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
GI

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12/10/04



AB The inks contain H₂O, polymers, and water-insol. colorants containing anthrapyridones I [R₁-R₃ = H, (un)substituted alkyl, (un)substituted aryl; R₄ = H, halo, (un)substituted alkyl; R₅ = H, (un)substituted alkyl]. Thus, di-Me terephthalate-dimethyl 5-sodiosulfoisophthalate-ethylene glycol-tricyclodecanedimethanol copolymer, I (R₁ = Et, R₂ = R₅ = H, R₃ = n-octadecyl, R₄ = Me), MEK, THF, and H₂O were mixed, filtered, and evaporated to give a dispersion containing magenta-colored polymer particles (average particle size 0.2 μm). An ink using the dispersion showed good printing performance.

AN 2004:873886 CAPLUS

DN 141:351540

TI Water-based emulsion inks containing anthrapyridones for ink-jet printing

IN Kogo, Osamu; Sugimoto, Kenichi; Oi, Ryu

PA Mitsui Chemicals Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 24 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

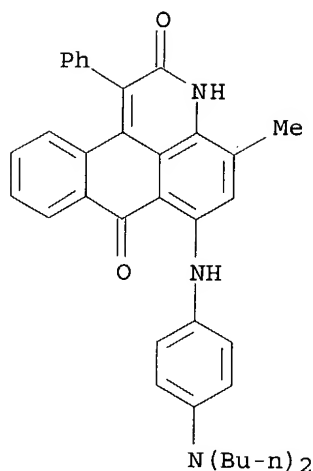
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004292571	A2	20041021	JP 2003-85389	20030326
PRAI	JP 2003-85389		20030326		
IT	775352-30-2				

RL: TEM (Technical or engineered material use); USES (Uses)
(water-based emulsion inks containing anthrapyridone colorants for ink-jet printing)

RN 775352-30-2 CAPLUS

CN 3H-Naphtho[1,2,3-de]quinoline-2,7-dione, 6-[[4-(dibutylamino)phenyl]amino]-4-methyl-1-phenyl- (9CI) (CA INDEX NAME)

12/10/04



L12 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

GI For diagram(s), see printed CA Issue.

AB Color diffusion transfer processes and film units containing alkali cleavable compounds. [I; R1 = C8-20 alkyl ballasting group; Q = NR₂R₃+X⁻ (R₂, R₃ = Me or together form a pyridinium group and X = anion); Z = dye or precursor which by diffusion transfer to a receptor sheet or layer to form a dye image are described. The above compounds may also be used to effect the imagewise elimination of a selected moiety such as a Ag halide solvent an antifoggant, a fixer, a toner, a sensitizer, etc. Thus, a single-layer light-sensitive element prepared by a coating a poly-(ethylene terephthalate) support with a layer containing gelatin (340 mg/ft²), a Ag(Br,I)-gelatin neg. emulsion (216 mg Ag and 160 mg gelatin/ft²), and II (0.1 mmole/ft²) was exposed to a graduated d. multicolor test object, presoaked for 15 sec in DK-50, and laminated to an image receptor sheet which was also presoaked for 15 sec in DK-50. After 60 sec at 25°, the neg. element was stripped away to reveal a well defined dye image which consisted mainly of 2,3-dihydro-6-[3-(dimethylamino)propyl-amino-3-methyl-2-oxo-1-(4-sulphophenyl)-azabenzathrone, the dye fragment of II.

AN 1973:447829 CAPLUS

DN 79:47829

TI Photographic film unit and selective transfer system

IN Becker, Richard W.; Ford, John A., Jr.; Fields, Donald L.; Reynolds, Delbert D.

PA Eastman Kodak Co.

SO U.S., 17 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3728113	A	19730417	US 1971-160070	19710706
PRAI	US 1971-160070	A	19710706		

IT 42580-26-7

RL: USES (Uses)

(photog. alkali cleavable dye precursor, for color diffusion-transfer process)

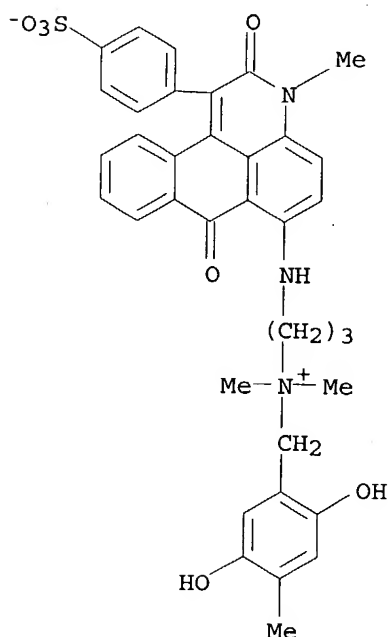
RN 42580-26-7 CAPLUS

CN Benzenemethanaminium, N-[3-[[2,7-dihydro-3H-methyl-2,7-dioxo-1-(4-

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12/10/04

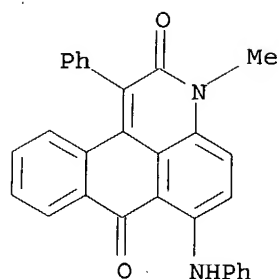
sulfophenyl)-3H-naphtho[1,2,3-de]quinolin-6-yl]aminolpropyl]-2,5-dihydroxy-N,N,4-trimethyl-, inner salt (9CI) (CA INDEX NAME)



L12 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AB Absorption and luminescence spectra were reported for 15 anthrapyridone
derivs. with hexyl, butyl, octadecyl, cyclohexyl, benzyl, benzoyl, phenyl,
p-tolyl, and Me substituents in 2-, 3-, and 6-positions. The most intense
luminescence was found in 1-alkylamino derivs.
AN 1968:472530 CAPLUS
DN 69:72530
TI Structure and optical properties of substituted 1,9-anthrapyridones
AU Kazankov, M. V.; Vinetskaya, Yu. M.
CS USSR
SO Promyshlennost Khimicheskikh Reaktivov i Osobo Chistyykh Veshchestv (1967),
No. 8, 32-6
CODEN: PKCVA4; ISSN: 0552-3427
DT Journal
LA Russian
IT 21295-61-4
RL: PRP (Properties)
(luminescence and visible spectrum and structure of)
RN 21295-61-4 CAPLUS
CN 3H-Naphtho[1,2,3-de]quinoline-2,7-dione, 6-anilino-3-methyl-1-phenyl-
(8CI) (CA INDEX NAME)

10678251

12/10/04



=> d his

(FILE 'HOME' ENTERED AT 18:12:01 ON 10 DEC 2004)

FILE 'REGISTRY' ENTERED AT 18:12:15 ON 10 DEC 2004

L1	0 S ANTHRAQUINOYL/CN
L2	0 S ANTHRAQUINONYL/CN
L3	1 S ANTHRAQUINONE/CN
L4	16 S NAPHTHAQUINONE
L5	0 S BEZANTHRONE/CN
L6	0 S BEZANTHRONE
L7	124 S BENZANTHRONE
L8	1 S BENZANTHRONE/CN

FILE 'REGISTRY' ENTERED AT 18:19:19 ON 10 DEC 2004

L9	STRUCTURE UPLOADED
L10	0 S L9
L11	3 S L9 FUL

FILE 'CAPLUS' ENTERED AT 18:19:51 ON 10 DEC 2004

L12	4 S L11
-----	---------

=> d 19

L9 HAS NO ANSWERS

L9 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> file registry

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
21.24	249.21

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-2.80	-2.80

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DICTIONARY FILE UPDATES: 9 DEC 2004 HIGHEST RN 796026-09-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Stnexp4 corrupted\QUERIES\10678251.str

L13 STRUCTURE UPLOADED

=> d l13

L13 HAS NO ANSWERS

L13 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l13 ful

FULL SEARCH INITIATED 18:23:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 134 TO ITERATE

100.0% PROCESSED 134 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

L14 3 SEA SSS FUL L13

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
155.42	404.63

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-2.80

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FILE COVERS 1907 - 10 Dec 2004 VOL 141 ISS 25
FILE LAST UPDATED: 9 Dec 2004 (20041209/ED)

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=> s l14

L15

4 L14